

MATERIAL DECLARATION SHEET



Material Number	3549S-2XA-XXXX			
Product Line	Sensors & Controls			
Compliance Date	January 31, 2007			
RoHS Compliant	Yes	MSL	N/A	

No.	Construction Element(subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material Substances	CASRN if applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Hex Nut	Brass C260	1.25	Copper	7440-50-8	70	2.42	3.45
				Zinc	7440-66-6	30	1.04	
		Plating	0.0900	Nickel	7440-02-0	100	0.25	0.25
2	Lock Washer	C1050 Carbon Steel	0.17	Carbon	7440-44-0	0.5	0.002	0.47
				Iron	7439-89-6	98.7	0.46	
				Manganese	7439-96-5	0.75	0.003	
				Phosphorus	7723-14-0	0.02	0.0001	
				Sulphur	7704-34-9	0.03	0.0001	
		Plating	0.0010	Nickel	10101-97-0	100	0.003	0.003
3	Lid Molded	Bushings Brass 360	3.53	Copper	7440-50-8	61.5	5.99	9.75
				Iron	7439-89-6	0.2	0.02	
				Lead	7439-92-1	3.0	0.29	
				Zinc	7440-66-6	35	3.41	
				Misc, not to Declare	N/A	0.3	0.03	
		Shinkong	0.836	PBT	26062-94-2	54.25	1.25	2.31
				GF-Fibre ISO 1043-2	65997-17-3	30	0.69	
				Halogenated Compound ISO 1043-4, not Declarable	N/A	9	0.21	

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				Antimonytrioxide	1309-64-4	3.5	0.08	
				Carbon Black	1333-86-4	1.25	0.03	
				Additives, not to Declare	N/A	2	0.05	
4	Housing X2	ShinKong	6.064	PBT	26062-94-2	54.25	9.08	16.74
				GF-Fibre ISO 1043-2	65997-17-3	30	5.02	
				Halogenated Compound ISO 1043-4, not Declarable	N/A	9	1.51	
				Antimonytrioxide	1309-64-4	3.5	0.59	
				Carbon Black	1333-86-4	1.25	0.21	
				Additives, not to Declare	N/A	2	0.33	
5	Element Assy X2	Mandrel Wire Annealed Copper Wire	4.06	Copper	7440-50-8	100	11.21	11.21
		Coating	0.000166	Polyamide	63428-83-1	100	0.0005	0.0005
		Resist Wire Nickel-Chromium Alloy	1.046	Nickel	7440-02-0	74	2.14	2.89
				Copper	7440-50-8	1	0.03	
				Chromium	7440-47-3	21	0.61	
				Aluminum	7429-90-5	1	0.03	
				Silicon	7440-21-3	1	0.03	
				Cobalt	7440-48-4	1	0.03	
				Manganese	7439-96-5	1	0.03	
6	Varnish	Hi-Thermo	0.188	Alkyd Resin	63148-69-6	99.5	0.52	0.52
				Misc, Not to Declare	N/A	0.5	0.003	
		Pigment	0.012	Basic Violet 11.1	73398-89-7	99.5	0.03	0.03
				Misc. Not to Declare	N/A	0.5	0.0002	
7	Terminal Cover X ₂	Nylatron	0.218	Nylon 6.6 (Polyhexamethylene Adipamide)	32131-17-2	66	0.40	0.60
				Glass Fiber	65997-17-3	32	0.19	
				Molybdenum Disulfide	1317-33-5	2	0.01	

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8	T.R. Terminal X2	Nickel/Silver C752	0.181	Copper	7440-50-8	65.00	0.32	0.50
				Nickel	7440-02-0	18.00	0.09	
				Zinc	7440-66-6	17.00	0.08	
		Silver Alloy A56T	0.0002	Silver	7440-22-4	56.00	0.0003	0.001
				Copper	7440-50-8	22.00	0.0001	
				Zinc	7440-66-6	17.00	0.0001	
				Tin	7440-31-5	5.00	0.00003	
		Plating	0.0006	Gold	7440-57-5	100.00	0.002	0.002
9	Shaft	Brass 360	11.885	Copper	7440-50-8	61.5	20.18	32.81
				Iron	7439-89-6	0.2	0.07	
				Lead	7439-92-1	3.0	0.98	
				Zinc	7440-66-6	35	11.48	
				Misc, not to Declare	N/A	0.3	0.10	
		Plating	0.001	Nickel	7440-02-0	100	0.003	0.003
10	Rotor Molded X2	Nylatron	2.72	Nylon 6.6 Polyhexamethylene Adipamide)	32131-17-2	66	4.96	7.51
				Glass Fiber	65997-17-3	32	2.40	
				Molybdenum Disulfide	1317-33-5	2	0.15	
11	Slider Molded X2	Nylatron	0.41	Nylon 6.6 (Polyhexamethylene Adipamide)	32131-17-2	66	0.75	1.13
				Glass Fiber	65997-17-3	32	0.36	
				Molybdenum Disulfide	1317-33-5	2	0.02	
12	Contact Spring X2	Paliney #6	0.006	Palladium	7440-05-3	44	0.01	0.02
				Silver	7440-22-4	38	0.01	
				Copper	7440-50-8	16	0.003	
				Platinum	7440-06-4	1	0.0002	
				Nickel	7440-02-0	1	0.0002	
		Pfinodal 7 C72900	0.002	Copper	7440-50-8	72.875	0.004	0.01
				Lead	7439-92-1	0.025	0.000001	
				Iron	7439-89-6	0.3	0.00002	

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				Nickel	7440-02-0	21	0.001	
				Cobalt	7440-48-4	0.25	0.00001	
				Tin	7440-31-5	5.1	0.0003	
				Manganese	7439-96-5	0.3	0.00002	
				Misc	Not to declare	0.15	0.00001	
13	Collector Bar X2	Nickel/Silver C770	0.148	Copper	7440-50-8	59	0.24	0.41
				Nickel	7440-02-0	12	0.05	
				Zinc	7440-66-6	29	0.12	
		Plating	0.0018	Gold	7440-57-5	100	0.005	0.005
14	Terminal Wiper X2	Brass C260	0.7620	Copper	7440-50-8	70	1.47	2.10
				Zinc	7440-66-6	30	0.63	
		Under Plating	0.0240	Nickel	7440-02-0	100	0.07	0.07
		Finish Plating	0.0052	Gold	7440-57-5	100	0.01	0.01
15	Cover	Nylatron	0.812	Nylon 6.6 (Polyhexamethylene Adipamide)	32131-17-2	66.00	1.48	2.24
				Glass Fiber	65997-17-3	32.00	0.72	
				Molybdenum Disulfide	1317-33-5	2.00	0.04	
16	Adapter	Nylatron	1.544	Nylon 6.6 (Polyhexamethylene Adipamide)	32131-17-2	66.00	2.81	4.26
				Glass Fiber	65997-17-3	32.00	1.36	
				Molybdenum Disulfide	1317-33-5	2.00	0.09	
17	C-Ring	Stainless Steel 420	0.014	Carbon	7440-44-0	0.31	0.0001	0.04
				Silicon	7440-21-3	0.44	0.0002	
				Manganese	7439-96-5	0.45	0.0002	
				Phosphorus	7723-14-0	0.02	0.00001	
				Sulfur	7704-34-9	0.01	0.000002	
				Nickel	7440-02-0	0.23	0.0001	
				Chromium	7440-47-3	13.15	0.01	
				Iron	7439-89-6	85.40	0.03	
18	Washer	Stainless Steel	0.001	Carbon	7440-44-0	0.15	0.000004	0.003

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		301		Manganese	7439-96-5	2	0.0001	
				Phosphorus	7723-14-0	0.045	0.000001	
				Sulfur	7704-34-9	0.03	0.000001	
				Silicon	7440-21-3	1	0.00003	
				Chromium	7440-47-3	17	0.0005	
				Nickel	7440-02-0	7	0.0002	
				Iron	7439-89-6	72.775	0.0020	
19	Washer	Stainless Steel 301	0.001	Carbon	7440-44-0	0.15	0.000004	0.003
				Manganese	7439-96-5	2	0.0001	
				Phosphorus	7723-14-0	0.045	0.000001	
				Sulfur	7704-34-9	0.03	0.000001	
				Silicon	7440-21-3	1	0.00003	
				Chromium	7440-47-3	17	0.0005	
				Nickel	7440-02-0	7	0.0002	
				Iron	7439-89-6	72.775	0.0020	
20	Lube	Lube	0.009	1-Decene, Tetramer, Mixed with 1-Decene Trimer, Hydorgenated	68649-12-7	58.8	0.01	0.02
				1-Propene, Polymer with Ethene	9010-79-1	30.8	0.01	
				Silica, Amorphous Fumed	112945-52-5	5.4	0.001	
				Polytetrafluoroethylene	9002-84-0	5	0.001	
21	Lube	Lube	0.18	Decanoic Acid, Mixed Esters with Heptanoic Acid, Octanoic Acid, Trimethylolpropane	68130-53-0	54.4	0.27	0.50
				Lithium 12-Hydroxystearate	7620-77-1	5.7	0.03	
				Isohexadecyl-Isooctadecanoate	52006-45-8	33.7	0.17	
				Polyisobutylene	9003-27-4	6.2	0.03	
22	Epoxy	Epoxy	0.01	Bisphenol A Diglycidyl Ether Resin	25068-38-6	44	0.01	0.03
				Alumina Trihydrate	21645-51-2	11	0.003	
				Antimony Trioxide	1309-64-4	11	0.003	

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				Diglycidyl Ether of Polypropylene Glycol	9072-62-2	10.2	0.003	
				Titanium Dioxide	13463-67-7	0.9	0.0002	
				Kaolin Clay	1332-58-7	6	0.002	
				Epoxy Resin	67924-34-9	6.1	0.002	
				Magnesium Aluminum Silicate	1302-88-1	9.5	0.003	
				Phthalocyanine Blue	147-14-8	1.3	0.0004	
23	Epoxy	Epoxy	0.04	Epoxy Resin	25085-99-8	48.0	0.05	0.11
				Quartz, (SiO2)	14808-60-7	34.8	0.04	
				kaolin clay	1332-58-7	14.5	0.02	
				Bisphenol A Diglycidyl Ether Resin	25068-38-6	1.8	0.002	
				Titanium dioxide	13463-67-7	0.22	0.0002	
				Carbon black	1333-86-4	0.28	0.0003	
				Acrylic polymer	Trade Secret	0.4	0.0004	
		Total, weight	36.2220					

This Document was updated on: **07/28/2025**

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.